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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11)Publication number: 11003051

(43)Date of publication of application: 06.01.1999

(51)Int.Cl.

G09F 9/33
H01L 33/00

(21)Application number: 10071016

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(22)Date of filing: 19.03.1998

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(30)Priority

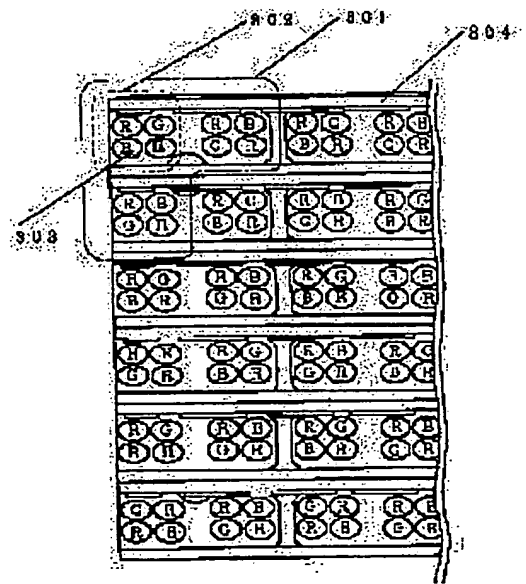
Priority number: 09 96096 Priority date: 14.04.1997 Priority country: JP

(54) LED DISPLAY AND DISPLAY DEVICE USING IT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a LED display and a display device in which outward appearance is good at the time of non-lighting and color deviation is less by making picture elements constituting a pixel in a block different one another in arrangement and arranging the block repeatedly.

SOLUTION: Semiconductor light emitting elements which can emit R, G, B respectively are arranged in each light emitting diode. One more R is arranged in addition to light emitting diode which can emit R, G, B, then four elements constitutes one diode. One pixel of a LED display performs display using this four elements. In this case, color deviation is suppressed by arranging a block periodically and repeatedly changing arrangement of light emitting diodes of RGB constituting one pixel in a block. That is, as shown by a dot line 302, one more R is added to a light emitting diode of RGB and four elements constitutes one pixel. Also, as shown by a chain line 301, one block is formed by using three pixels vertically and horizontally. A LED display is constituted by arranging blocks repeatedly.



LEGAL STATUS

[Date of request for examination] 08.11.1999

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the
examiner's decision of rejection or application converted
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of
rejection]

[Date of extinction of right]

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